

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
12 July 2001 (12.07.2001)

PCT

(10) International Publication Number
WO 01/50442 A1

(51) International Patent Classification⁷: **G09B 23/28,**
23/30

Avenida do Contorno, 2646/404, Sta. Efigênia,
CEP-30110-080 Belo Horizonte- MG (BR).

(21) International Application Number: **PCT/BR00/00159**

(81) Designated States (*national*): AU, CA, CN, CU, IL, IN,
JP, KP, KR, MX, RU, US.

(22) International Filing Date:
15 December 2000 (15.12.2000)

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

(25) Filing Language: English

(26) Publication Language: English

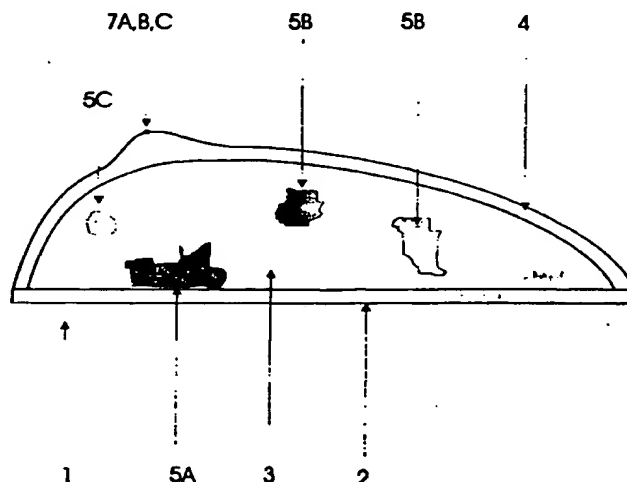
(30) Priority Data:
PI 9906054-0 29 December 1999 (29.12.1999) BR

Published:
— With international search report.

(71) Applicant and
(72) Inventor: **PROVENZA, Thadeu, Rezende [BR/BR];**

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **SIMULATOR DEVICE FOR HUMAN FEMININE MAMMARY GLAND**



(57) Abstract: The present patent describes a simulator device for human feminine mammary gland, that is destined to guide patient, nurses, doctors and the whole personnel of the medical, educational area and lay population in the detection of pathological occurrences, through touch. It is known the notorious difficulty of recognition of pathological occurrences of the human feminine mammary gland, so much for own woman that solemnity examines herself, as for the personnel of the medical area or the education area, with a body (1), put upon to a base (2) made by rigid material, as plastic, metal, wood, formic, leather, rubber, etc., serving as support to the stuffing material (3) that gives volume to the body (1); the stuffing material (3) is normally prepared with many different materials like small particles, as grains, flakes, seeds, sawdust, sands, flour, cotton, floss, plastic, scum, silicon, rubber, light metal, etc., or gelatinous, gaseous or liquid material, or still others that simulate the inside tissue of the mammary gland, having a texture that allows the observation, for the touch, of the elements (5.a) and (5.b) simulators of existent pathologies inside the body (1).

WO 01/50442 A1